

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A wireless mobile phone comprising:

a plurality of components coupled to each other configured to facilitate wireless telephony communication by a user;

an input mechanism configured to facilitate input of a finger print of the user, ~~comprising one or more capacitors, and one or more sensors coupled to the one or more capacitors to sense electrical interactions with the user's finger, and to output signals indicating the user's fingerprint; and~~

an operating logic configured to receive input the output signals from the input mechanism and operate the plurality of components in a first mode if the user is not successfully authenticated based at least on the output signals, to selectively operate the components depending on whether wherein a first plurality of user functions are available in the first mode, and the user is successfully authenticated via an inputted finger print the operating logic is further configured to operate the plurality of components in a second mode if the user is successfully authenticated based at least on the output signals, wherein a second plurality of user functions are available in the second mode.

2. (Original) The wireless mobile phone of claim 1, wherein said input mechanism comprises a light source to emit light, and an array of light sensors to sense the emitted light reflecting off a user's finger.

3. (Original) The wireless mobile phone of claim 2, wherein the wireless mobile phone further comprises processing logic associated with the input mechanism to process the reflected light sensed into an input finger print.

4. (Currently Amended) The wireless mobile phone of claim 3~~1~~, wherein the operating logic further comprises logic to compare the ~~input-output signals indicating the~~ finger print against a reference finger print.

5. (Original) The wireless mobile phone of claim 1, wherein the wireless mobile phone further comprises a reader to facilitate provision of a reference finger print via an identity card.

6. (Original) The wireless mobile phone of claim 5, wherein the reference finger print is stored on said identity card in a manner to be read by a reader selected from the reader group consisting of an electronic reader, an optical reader, and a magnetic reader, and the reader is a corresponding selected one of the electronic reader, the optical reader and the magnetic reader.

7. (Cancelled)

8. (Cancelled)

9. (Currently Amended) In a wireless mobile phone, a method of operation comprising:

receiving finger print input from a user comprising sensing electrical interactions of one or more capacitors with the user's finger by using a plurality of sensors, and processing the sensed interactions into output signals indicating the received finger print input;

authenticating the user based on at least using output signals indicating the received~~provided~~ finger print input; and

operating a plurality of components of the wireless mobile phone in a first mode to, wherein a first plurality of user functions are available while the operating the plurality of components in the first mode, facilitate wireless telephony communication by the user, depending on whether-if the user is not~~was~~ successfully authenticated via the output signals indicating the received finger print input of the user; and

operating the plurality of components of the wireless mobile phone in a second mode, wherein a second plurality of user functions are available while the operating the plurality of components in the second mode, if the user is successfully authenticated via the output signals indicating the received finger print input of the user.

10. (Currently Amended) The method of claim 9, wherein said receiving of finger print input from the user further comprises emitting light using a light source, sensing the emitted light reflecting off the user's finger using a plurality of optical sensors, and processing the reflected light sensed into a finger print input.

11. (Currently Amended) The method of claim 10, wherein the authenticating method further comprises comparing the output signals indicating the inputted finger print against a reference finger print.

12. (Original) The method of claim 11, wherein the method further comprises retrieving the reference finger print from an identity card.

13. (Cancelled)

14. (Currently Amended) A wireless mobile phone comprising:

a plurality of components coupled to each other configured to facilitate wireless telephony communication by a user, with the components being equipped to operate in at least a selected one of a first mode and a second mode, wherein a first plurality of user functions are available while the components are configured to operate in the first mode, and a second plurality of user functions are available while the components are configured to operate in the second mode; and

operating logic configured to operate the components in said first mode without authentication of the user, and to operate the components in said second mode if the user is successfully authenticated.

15. (Cancelled)

16. (Currently Amended) In a wireless mobile phone, a method of operation comprising:

operating a plurality of components coupled to each other to facilitate wireless telephony communication by a user, in a first mode, wherein a first plurality of user functions are available while the operating the plurality of components in the first mode, prior to authenticating the user;

receiving input for authenticating the user; and

operating the components in a second mode, wherein a second plurality of user functions are available while the operating the plurality of components in the second mode, if the user is successfully authenticated.

17. (Cancelled)

18. (New) The wireless mobile phone of claim 14, wherein the second plurality of user functions comprise at least one or more of the first plurality of user functions.

19. (New) The method of claim 16, wherein the second plurality of user functions comprise at least one or more of the first plurality of user functions.

20. (New) The wireless mobile phone of claim 1, wherein the second plurality of user functions comprise at least one or more of the first plurality of user functions.

21. (New) The method of claim 9, wherein the second plurality of user functions comprise at least one or more of the first plurality of user functions.